

FIG. 1A

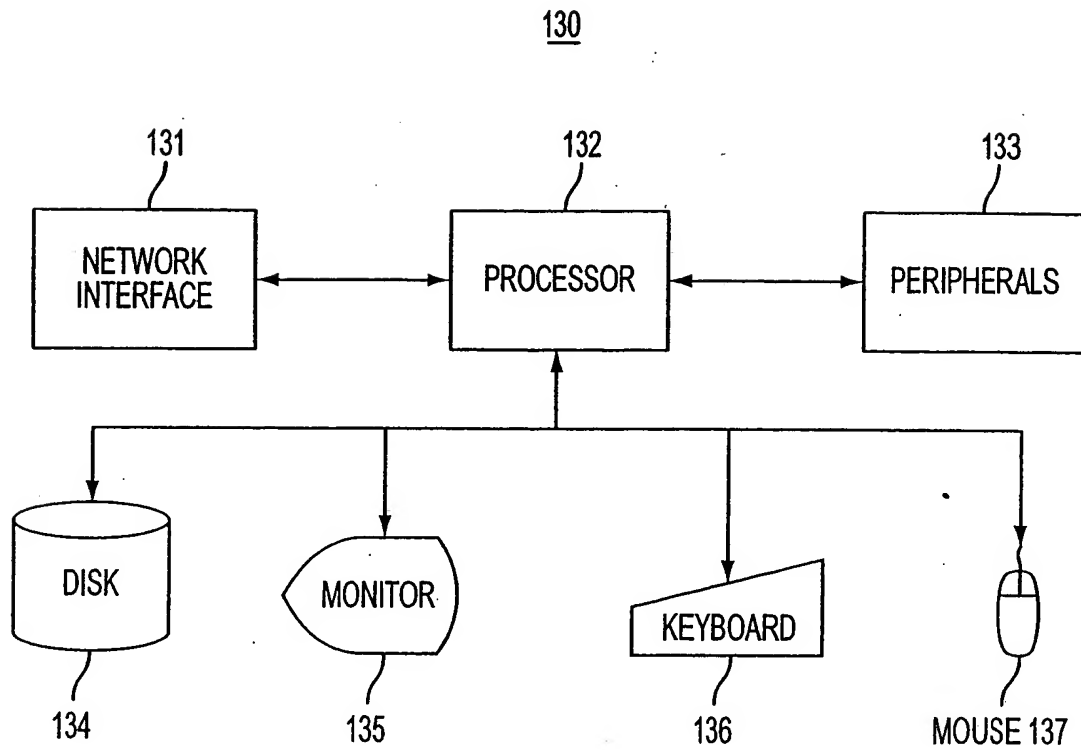


FIG. 1B

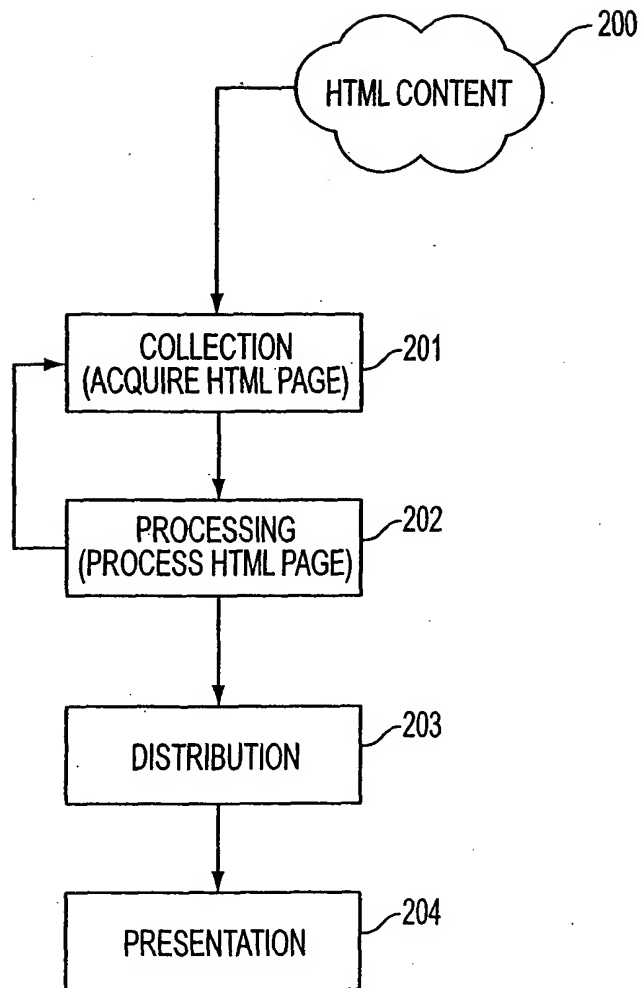


FIG. 2

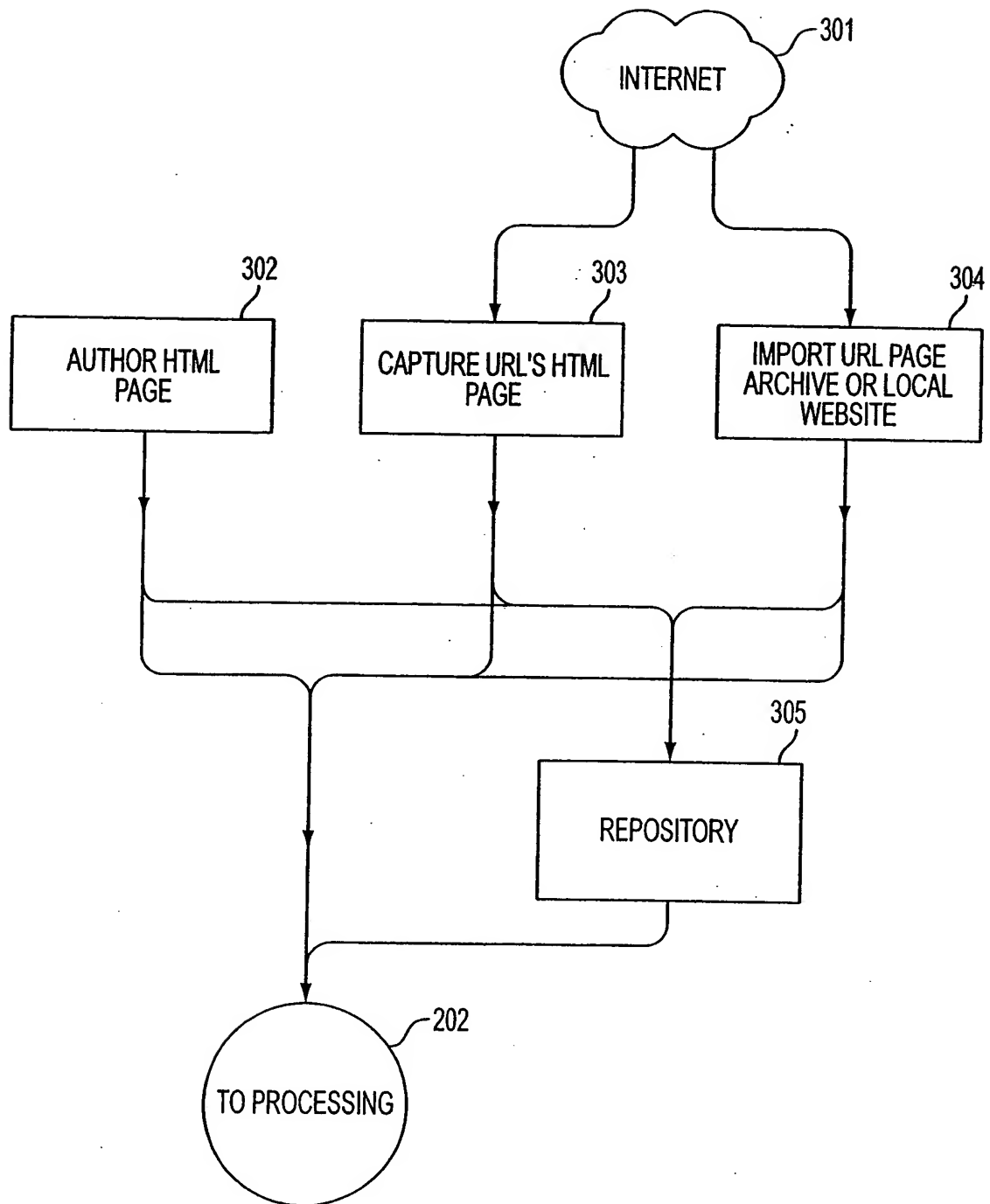


FIG. 3

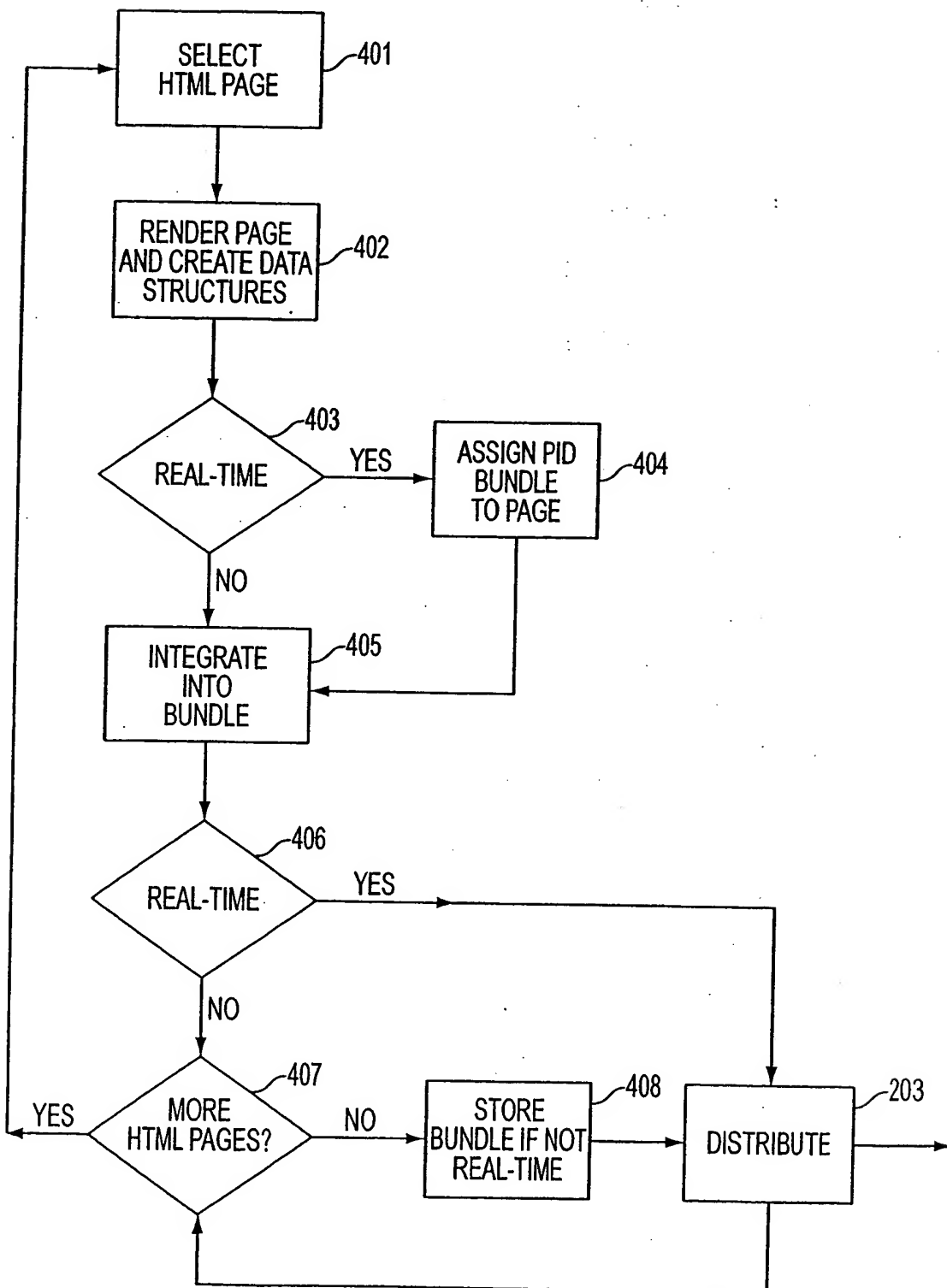


FIG. 4

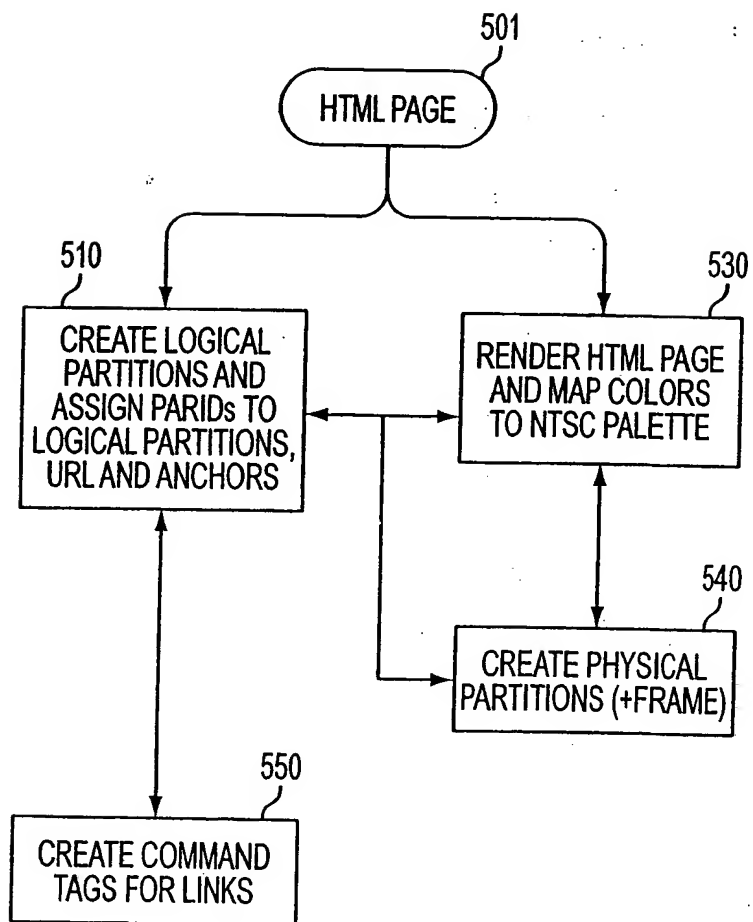


FIG. 5

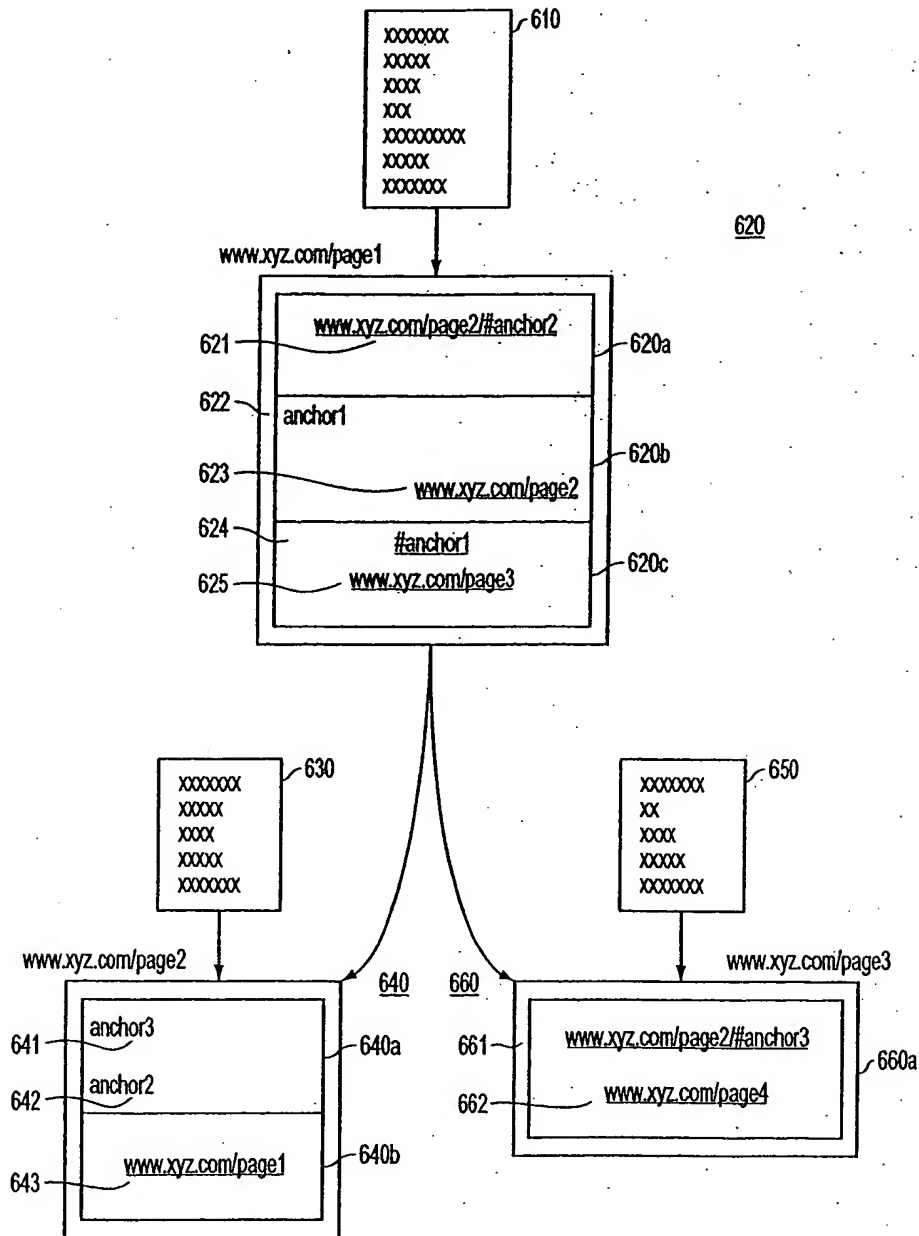


FIG. 6

```
1  /** Select a page to process **/  
2  /** Paged Selected is next entry in PUT where Processed = N**/  
3  /** **/  
4  For this pages {  
5      /** Start Process **/  
6      Create new entry in PPT  
7          Assign PARID/PPT = Link PARID/PUT  
8          Assign firstPartition = Link PARID/PUT  
9          Assign currentPartition = Link PARID/PUT  
10     For all partitions in page {  
11         /** Start scanning current partition for links and anchors **/  
12         For all links found in currentPartition do {  
13             Separate link into link.location and link.anchorRef  
14             On type of Link {  
15                 Case: Link is an Anchor  
16                     Create new entry in PAM  
17                     Assign Page First Partition/PAM = firstPartition  
18                     /** Link is an anchor **/  
19                     Assign Anchor/PAM = link.anchorRef  
20                     Assign PARID/PAM = currentPartition.  
21                 Case: Link is an Anchor URL  
22                     Create new entry in PLT  
23                     Assign PARID/PLT = currentPartition  
24                     Assign Anchor Reference/PLT = link.anchorRef  
25                     If link.location in PUT  
26                         /** The page has already been referenced **/  
27                         Assign Link PARID/PLT = Link PARID/PUT  
28                         where URL/PUT equals link.location  
29                     else  
30                         /** New page reference **/  
31                         Assign newParID = getNewParID()  
32                         Create new entry in PUT  
33                         Assign URL/PUT = link.location  
34                         Assign Link PARID/PUT = newParID  
35                         Assign Processed/PUT = "N"  
36                         Assign Link PARID/PLT = newParID  
37                 Case: Link is a Page URL  
38                     Create new entry in PLT  
39                     Assign PARID/PLT = currentPartition  
40                     Assign Anchor Reference/PLT = NULL  
41                     If link.location in PUT  
42                         /** The page has already been referenced **/  
43                         Assign Link PARID/PLT = Link PARID/PUT  
44                         where URL/PUT equals link.location  
45                     else
```

FIG. 7A


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```

    /** New page reference */
    Assign newParID = getNewParID()
    Create new entry in PUT
        Assign URL/PUT = link.location
        Assign Link PARID/PUT = newParID
        Assign Processed/PUT = "N"
        Assign Link PARID/PLT = newParID
    }

    If there are more partitions to process
        Assign newParID = getNewParID()
        Create entry in PPT
            Assign ParID/PPT = newParID
            setPrevNextPartitions(newParID)
            Assign currentPartition = newParID
    }

    Assign Processed/PUT = "Y"
}
```

FIG. 7B

	URL	Link PARID	Processed
800	www.XYZ.com/page1	1	Y
802	www.XYZ.com/page2	2	Y
804	www.XYZ.com/page3	5	Y
806	www.XYZ.com/page4	7	N

FIG. 8A

Page Partition Table (PPT)

	PARID	Prev PARID	Next PARID	Phys Par Ptr	Processed
810	1	null	3	ptr1	
812	3	1	4	ptr2	
814	4	3	null	ptr3	
816	2	null	6	ptr4	
818	6	2	null	ptr5	
820	5	null	null	ptr6	

FIG. 8B

Partition Links Table (PLT)

	PARID	Link PARID	Anchor Reference	Command Tag
830	1	2	#anchor2	(..., x1, y1, x2, y2, 2.#anchor2)
832	3	2	null	(..., x3, y3, x4, y4, 2)
834	4	1	#anchor1	(..., x5, y5, x6, y6, 1.#anchor1)
835	4	5	null	(..., x7, y7, x8, y8, 2)
836	6	1	null	(..., x9, y9, x10, y10, 2)
838	5	2	#anchor3	(..., x11, y11, x12, y12, 2.#anchor3)
839	5	7	null	(..., x15, y15, x16, y16, 7)

FIG. 8C

Page Anchor Map (PAM)

	Page First PARID	Anchor	PARID
840	1	anchor1	3
842	2	anchor3	2
844	2	anchor2	2

FIG. 8D